

The Theory of Everything: Stephen W Hawking

Atharwa Shukla

Abstract: This paper is written and illustrated by me (Atharwa Shukla) but the topic has been taken from Stephen William Hawking's book "The Theory of Everything".

Keywords: Universe, Planets, Sun, Stars, Earth

Ideas about the Universe

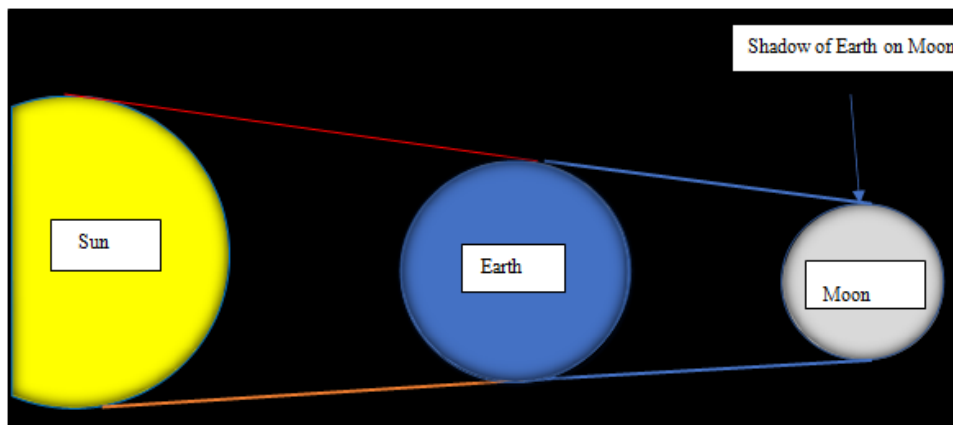


Figure 1: Illustrations by: Atharwa Shukla

Second, the Greeks knew from their travels that the Pole Star appeared lower in the sky when reviewed in the South than it did in more northerly regions.

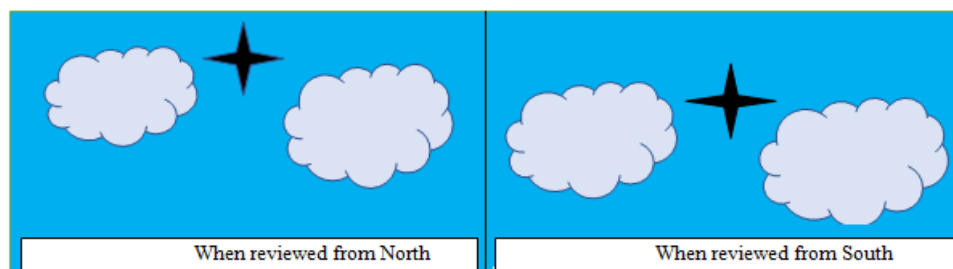


Figure 2

Some scientists as Aristotle and Ptolemy had thought that the Earth was in the center of the universe and all the planets, and moon, and Sun orbited around it.

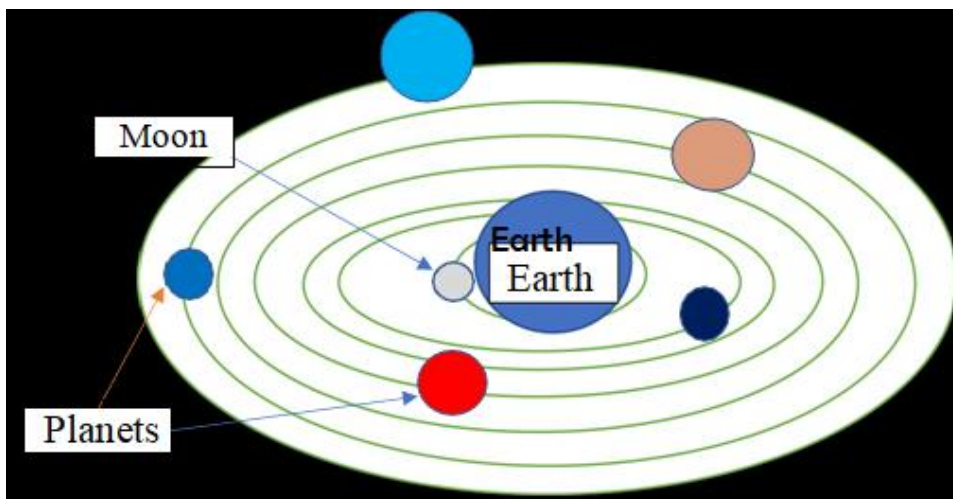


Figure 3

Illustrations by: Atharwa Shukla

Volume 11 Issue 6, June 2022

www.ijsr.net

Licensed Under Creative Commons Attribution CC BY

But when the first telescope was invented, Galileo Galilei looked at the planet Jupiter he found that Jupiter was accompanied by several small satellites or moons which orbited around it. Then the thing was clear that Sun was in between the universe and other planets orbited around it and their satellites orbited around them.

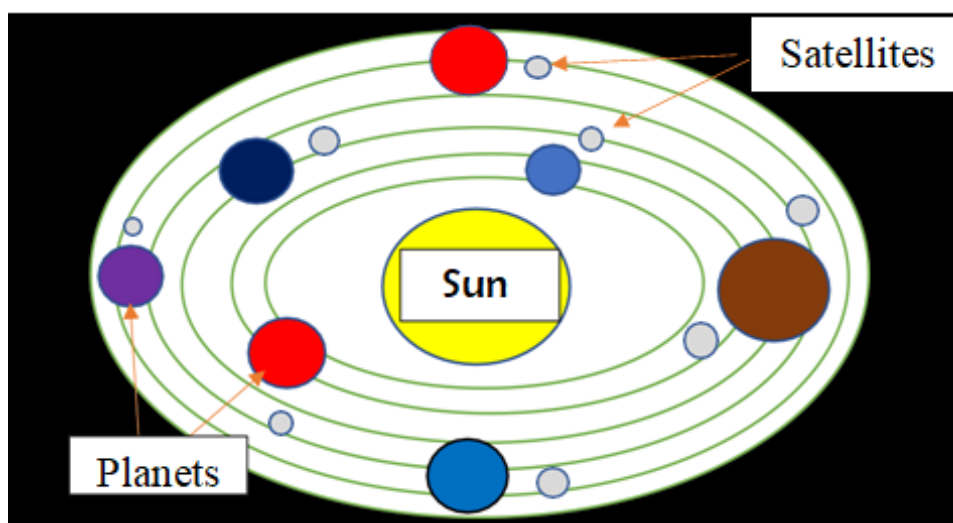


Figure 4

Sir Isaac Newton went to show that, according to his law gravity causes Moon to move in elliptical orbit around the Earth and orbiting of Moon causes the Earth and other the planets to follow paths around the Sun.

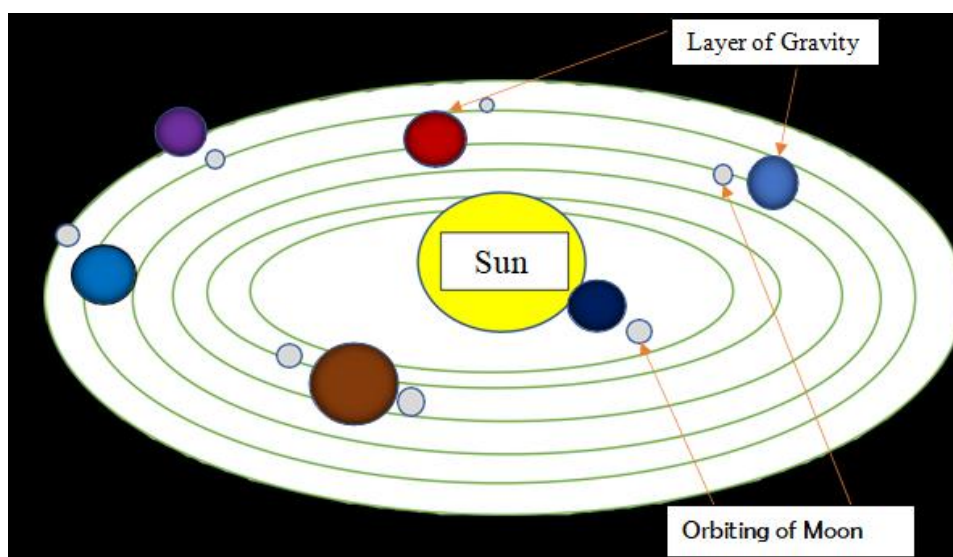


Figure 5

The Beginning of the Universe:

Illustrations by: Atharwa Shukla

When most people believed in an essentially static and unchanging universe, the question of whether or not it had a beginning was really one of metaphysics or theology. But in 1929, Edwin Hubble made landmark observation that whenever you look, distant stars are moving rapidly from us. In other word, the universe is expanding.

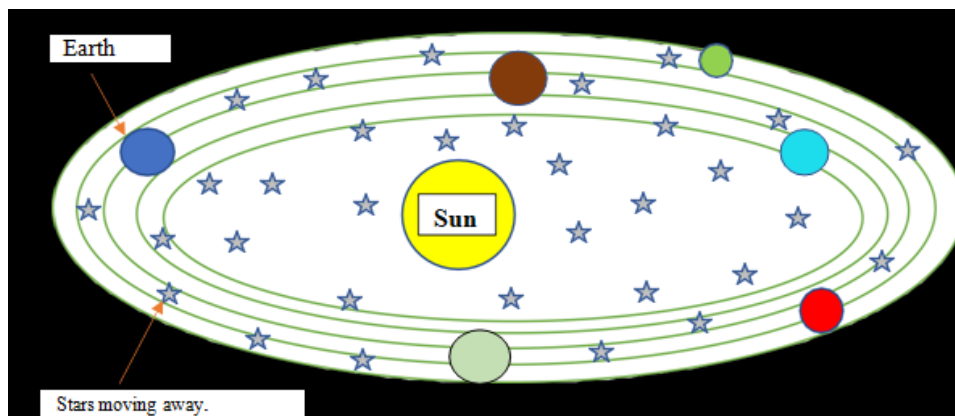


Figure 6

In an unchanging universe, a beginning in time is something that has been imposed by some being outside universe. One can imagine that God created the universe at literally any time in the past. On the other hand, if universe is expanding, there may be physical reason why there had to be a beginning. An expanding universe does not preclude a creator, but it does place limits on when he might have carried out his job.

Acknowledgement

I would like to thank my grandparent Mr. Gopinath Shukla and Mrs. Pushpa Shukla who have supported me during this research paper. I would like to thank my parents Dr. Om Hari and Dr. Madhuri Pandey who have guided me while writing this paper. I would also like to thank my aunt and uncle Dr. Bhakti Vijay Shukla. I would specially like to thank my brother Mr. Lakshya Vijay Shukla who has been my real friend during this paper.

Author Details

I, Atharwa Shukla, author of this research paper "The theory of Everything". I am a student of class VI. I am 11 years old. I am a student in Sheiling House School. First, He realized that eclipses of moon were caused by the Earth coming between the Sun and moon. The Earth's shadow on moon was always round which tells that the Earth was really shaped round.